

# 2nd Street CSO Separation Project - Phase II

## Avenue E to Avenue H

### City of Snohomish, Washington

## City Council

Mayor:

Karen Guzak

Mayor Pro Tem:

Lynn Schillaty

**Board Members:**

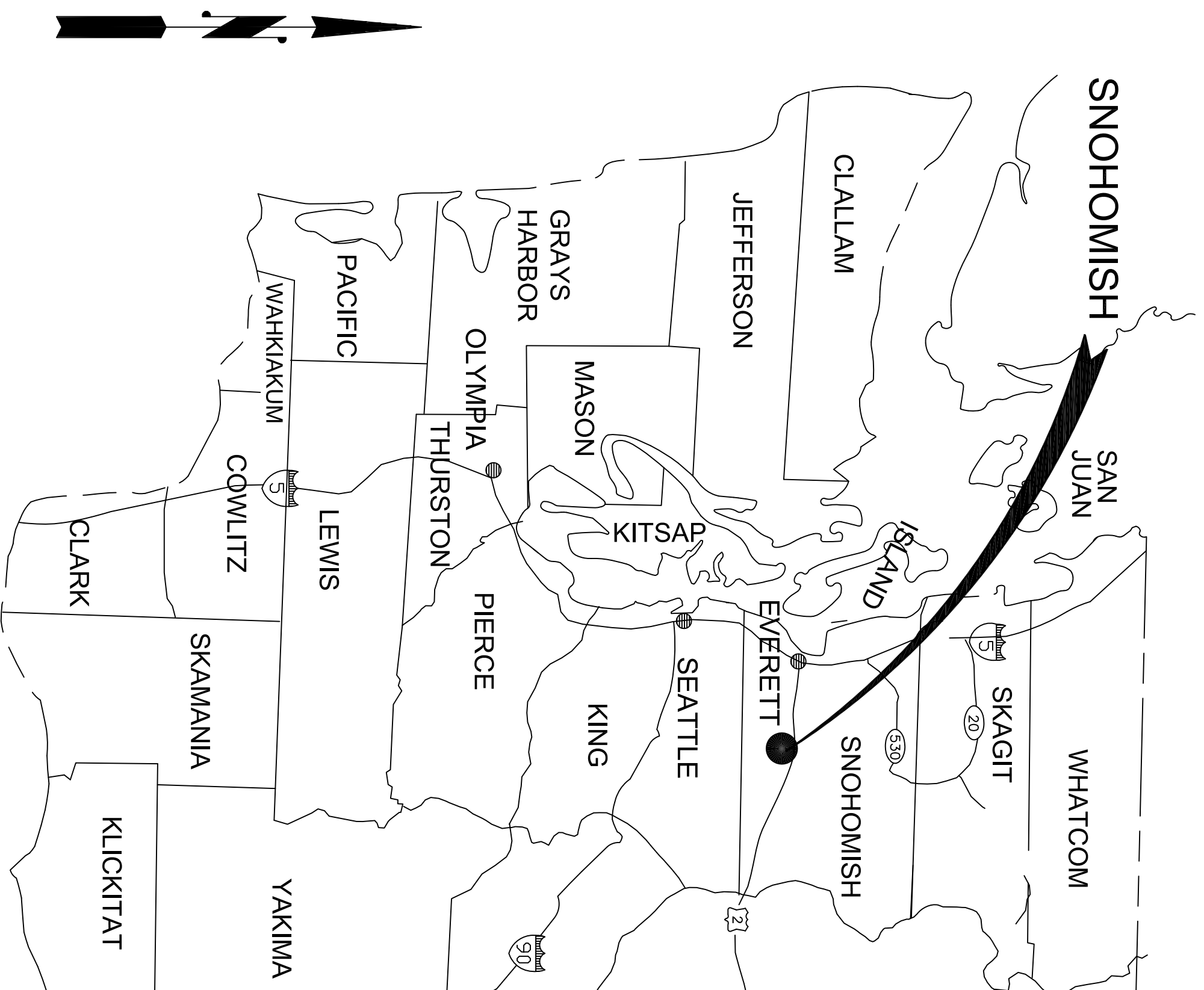
Derrick Burke  
Tom Hamilton  
Paul Kaftanski  
Dean Randall  
Michael Rohrscheib

City Manager:

Larry Bauman

Public Works Director:

Steve Schuller, P.E.



## Vicinity Map

Sheet Title

Drawing No.

Sheet No.

# Cover Sheet

CV

→

## Legend and Notes

Σ

2

Avenue H to Avenue G

C1

 $\omega$ 

Avenue G to Avenue F

C2

4

Avenue F to Avenue E

3

5

APPROVED FOR  
CONSTRUCTION

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
Yoshinori Monzaki, P.E.,  
CITY ENGINEER

Drawing No.

CV

Sheet No.

1.

of Total

GENERAL PROJECT NOTES













- ALL WORK AND MATERIALS SHALL BE IN CONFORMANCE WITH THE LATEST ENGINEERING STANDARDS AND SPECIFICATIONS OF THE CITY OF SNOHOMISH PUBLIC WORKS DEPARTMENT AND THE 2014 EDITION OF THE WSDOT/APWA STANDARDS AND SPECIFICATIONS AS APPROVED AND MODIFIED BY THE CITY OF SNOHOMISH. A SET OF APPROVED CONTRACT PLANS AND SPECIFICATIONS SHALL BE KEPT ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION.
- AN APPROVED TRAFFIC CONTROL PLAN IS REQUIRED TO BE SUBMITTED AT THE PRE-CONSTRUCTION MEETING. ANY MODIFICATIONS TO THE APPROVED TRAFFIC CONTROL PLAN SHALL BE RESUBMITTED AND APPROVED PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL USE A VACUUM STREET SWEEPER TO REMOVE DUST AND DEBRIS FROM PAVEMENT AREAS AS DIRECTED BY THE ENGINEER OR DESIGNEE. FLUSHING OF STREETS SHALL NOT BE PERMITTED.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL INSTALL ALL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING BUT NOT LIMITED TO SILT FENCE AND STORM DRAIN INLET PROTECTION. THE CONTRACTOR SHALL INSPECT THE CONDITION OF ALL EROSION AND SEDIMENT CONTROL MEASURES ON A DAILY BASIS AND MAINTAIN OR REPLACE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).
- TEMPORARY RESTORATION OF TRENCHES FOR OVERNIGHT USE SHALL BE ACCOMPLISHED BY USING COLD MIX ASPHALT. STEEL PLATES MAY BE USED OVERNIGHT TO COVER THE LAST SECTION OF TRENCH. STEEL PLATES MUST BE PINNED DOWN AND ASPHALT RAMPS/WEDGES MUST BE PLACED AROUND THE PLATES. STEEL PLATES SHALL NOT BE USED ON STEEP GRADES OR WHERE STEEL PLATES PRESENT A ROADWAY HAZARD.

BEST MANAGEMENT PRACTICES (BMP'S)

BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT EROSION SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING:

- PREPARE A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE 2006 ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON AND THE CITY OF SNOHOMISH NPDES PHASE II STORMWATER PERMIT.
- ALL EROSION CONTROL PROCEDURES AT ALL THE CONTRACTORS WORK AND STAGING AREAS SHALL CONFORM TO PROJECT PERMITS, NPDES PERMIT, SWPPP, AND TEMPORARY EROSION AND SEDIMENTATION CONTROL (TESC) DETAILS.
- THE CONTRACTOR SHALL PREVENT THE SILTING OF STREAMS DURING CONSTRUCTION AND CONTROL WATER POLLUTION DURING THE LIFE OF THE CONTRACT THROUGH THE USE OF SEDIMENT TRAPS, STRAW BALES, FILTER FABRIC FENCES, PLASTIC FENCES, MULCHING, COVERING STORED PILES OF SOIL AND BACKFILL, AND OTHER TESC DEVICES OR METHODS.
- THE CONTRACTOR SHALL RETAIN AND PROTECT ALL NATURAL VEGETATION, PREVENT THE DISCHARGE OF POLLUTANTS INTO CRITICAL AREAS DURING EXCAVATION AND BACKFILL OR ANY OTHER CONSTRUCTION ACTIVITY.
- DETERMINE THE LOCATIONS OF AND INSTALL TESC SILT FENCES PER DETAIL. THIS SHEET AND CONSTRUCTION LIMIT FENCING PRIOR TO ANY SITE WORK.
- HAVE BACK-UP EQUIPMENT READILY AVAILABLE IN CASE EMERGENCY EROSION/POLLUTION SITUATIONS ARISE. THIS EQUIPMENT INCLUDES PUMPS, HOSES, AND BACKHOES. IN ADDITION, HAVE A STOCKPILE OF EXTRA ESC MATERIALS SUCH AS STRAW BALES, AND FILTER FENCE FOR EMERGENCY SITUATIONS.

LEGEND

-  FWD MON IN CASE, AS NOTED
-  FWD SURFACE MON, AS NOTED
-  CATCH BASIN
-  SANITARY SEWER MANHOLE
-  TELEPHONE MANHOLE
-  FIRE HYDRANT
-  WATER VALVE
-  POWER POLE
-  GUY ANCHOR
-  DECIDUOUS TREE
-  SIGN
-  OVERHEAD WIRES

BASIS OF BEARING

WASHINGTON STATE PLANE COORDINATE SYSTEM NORTH ZONE NAD83. BASED UPON THE TO CITY OF SNOHOMISH DESIGNATION COS-16.

DATUM

NGVD 29 (CONVERSION TO NAVD 88 = +3.64')

PROJECT BENCHMARK

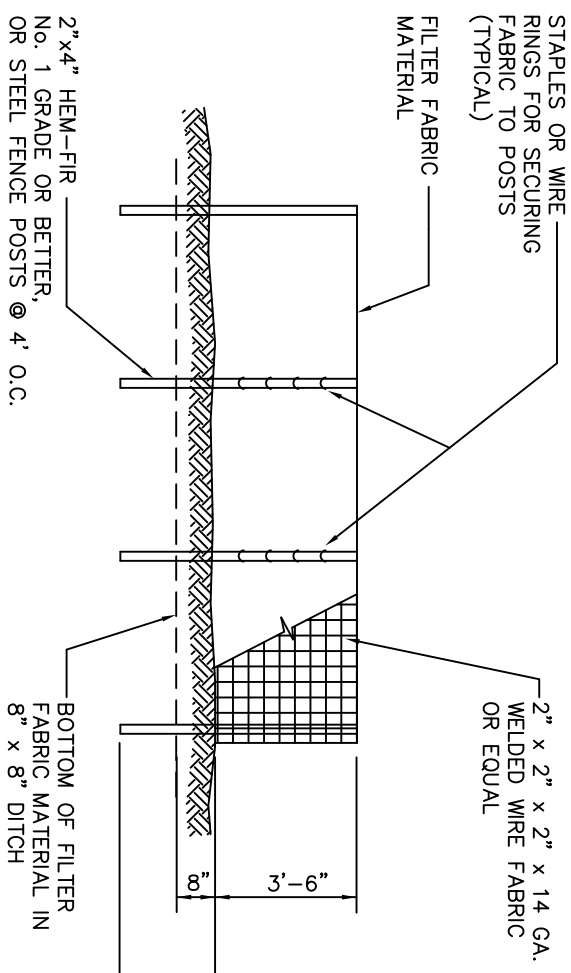
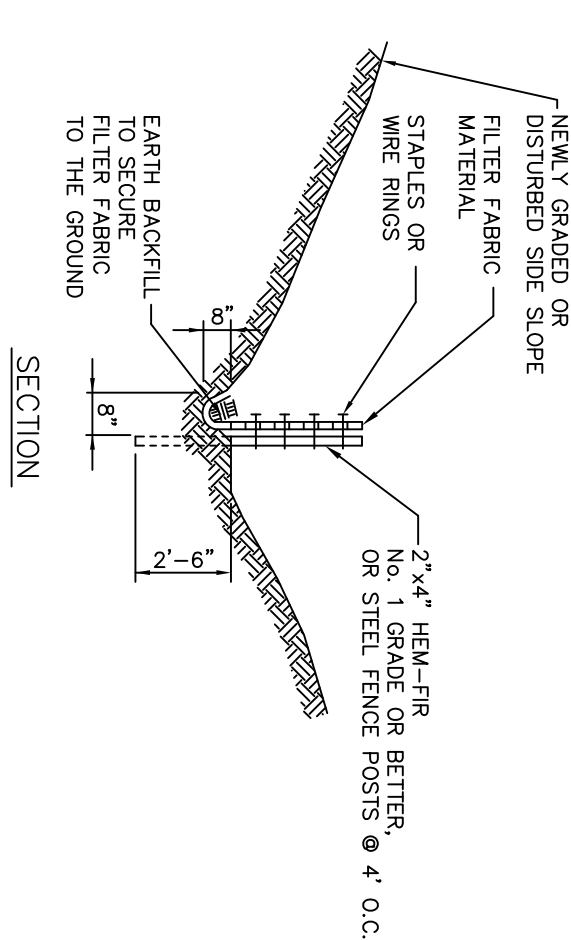
CITY OF SNOHOMISH GPS STA#16, DESIGNATION COS-16. BRASS DISK IN SOUTH BOUND LANE OF AVENUE A, ±22' SOUTH OF GATE AT BLACKMAN'S LAKE. EL=143.10'

SITE BENCHMARK

REAR W/ RED CAP LOCATED 5.5' SOUTH OF THE EDGE OF ASPHALT AND 11.5' WEST OF SDMH SOUTH OF THE INTERSECTION OF 2ND STREET & AVE H. EL=43.31'

NOTES

- REPRESENTATION OF BOUNDARY LINES ARE GRAPHICALLY SHOWN FOR USE IN INTERPRETING THE TOPOGRAPHIC DATA. THIS REPRESENTATION IS BASED UPON INFORMATION PROVIDED BY THE CLIENT (PERTTEIT SURVEY) OR AS AVAILABLE FROM TAX ASSESSOR'S RECORDS AND SHOULD NOT BE RELIED UPON AS A BOUNDARY SURVEY.
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE ON DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION EXISTING AT THAT TIME.
- UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON ASBUILT FIELD LOCATION OF EXISTING STRUCTURES.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



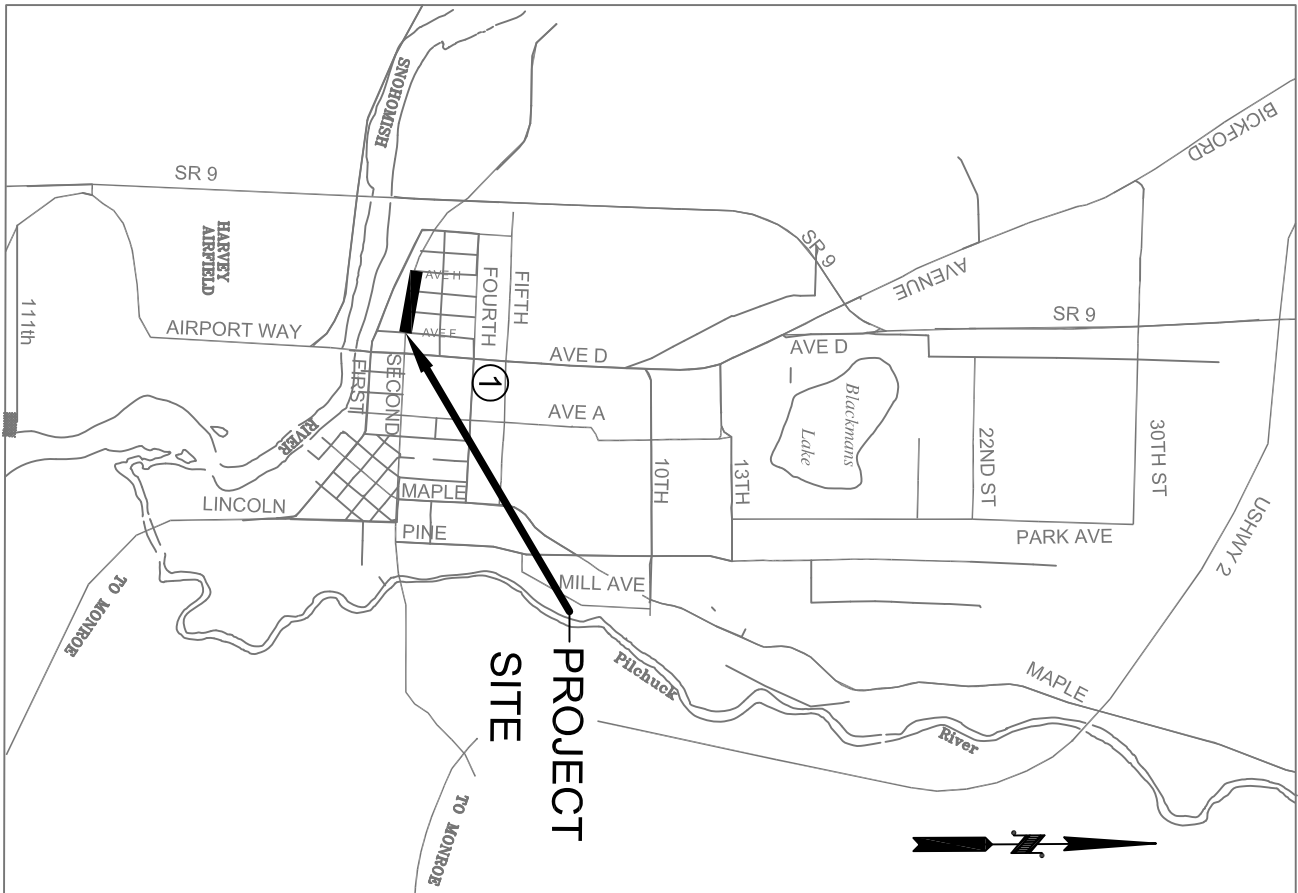
- NOTES:

  - WHERE POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
  - TEMPORARY SILTATION CONTROL SHALL BE CONSTRUCTED BY PLACING FILTER FABRIC FENCES ACROSS SWALES UTILIZING FILTER SYSTEM PRIOR TO DISCHARGE.
  - PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).
1. MAINTAIN IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND SURFACE RESTORATION IS COMPLETED.

2. RETURN SILTATION CONTROL AREAS TO ORIGINAL GROUND CONDITIONS, UNLESS SPECIFICALLY DIRECTED OTHERWISE BY THE ENGINEER.

SILT FENCE

NOT TO SCALE



PROJECT LOCATION MAP

- 2ND STREET - AVENUE E TO AVENUE H

CALL OUT SYMBOL

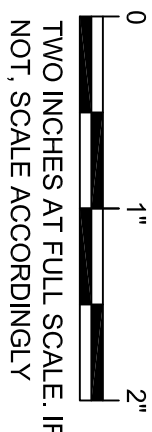


PROJECT CONTACTS

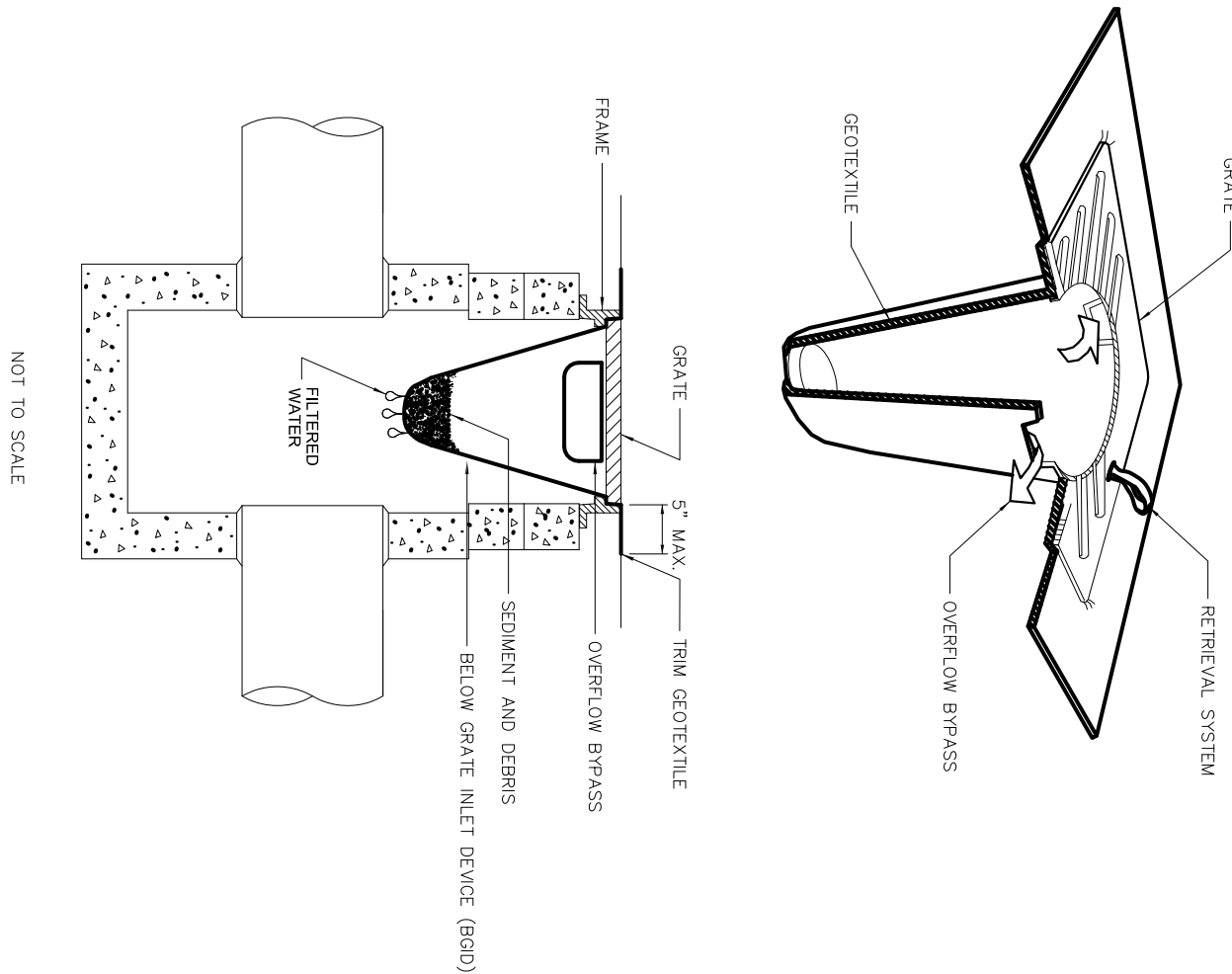
Max Sellin	Project Engineer	360-282-3196
Tim Cross	Public Works Inspector	425-328-0056
Derek Debandi	Sewer and Storm Lead	425-328-6251
Joe Palmer	Water Distribution Lead	425-328-0068
Ann Ray	Cross Connection Specialist	425-328-0059
Fire District No. 4	EMS and Fire Services	360-568-2141
Snohomish Police	Police Department	360-568-0888

BURIED UTILITIES IN AREA CALL BEFORE YOU DIG  
1-800-424-5555

EXISTING UTILITIES SHOWN ARE FROM THE BEST AVAILABLE INFORMATION AND NO TYPE, LOCATION OR DEPTH.



STORM DRAIN INLET PROTECTION  
REFERENCE WSDOT STANDARD PLAN 140-20-00



City of Snohomish

116 Union Avenue  
Snohomish, WA 98290  
360-568-3115

Scale = NTS This Sheet.

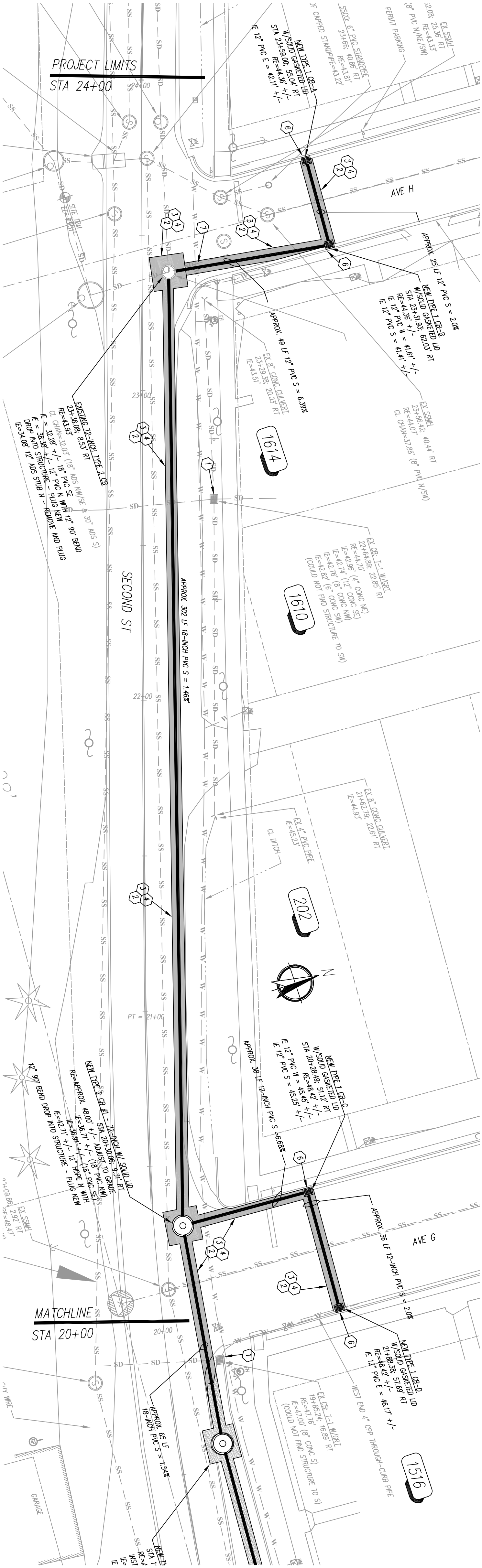
Drawn By:	MMS	Date:	May 2014
Designed By:	MMS	Date:	May 2014
Checked By:	MMS	Date:	May 2014
Approved By:	YM	Date:	May 2014

City of Snohomish

2014 Storm Drainage Improvement Project

Legend and Notes

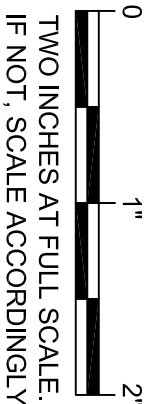
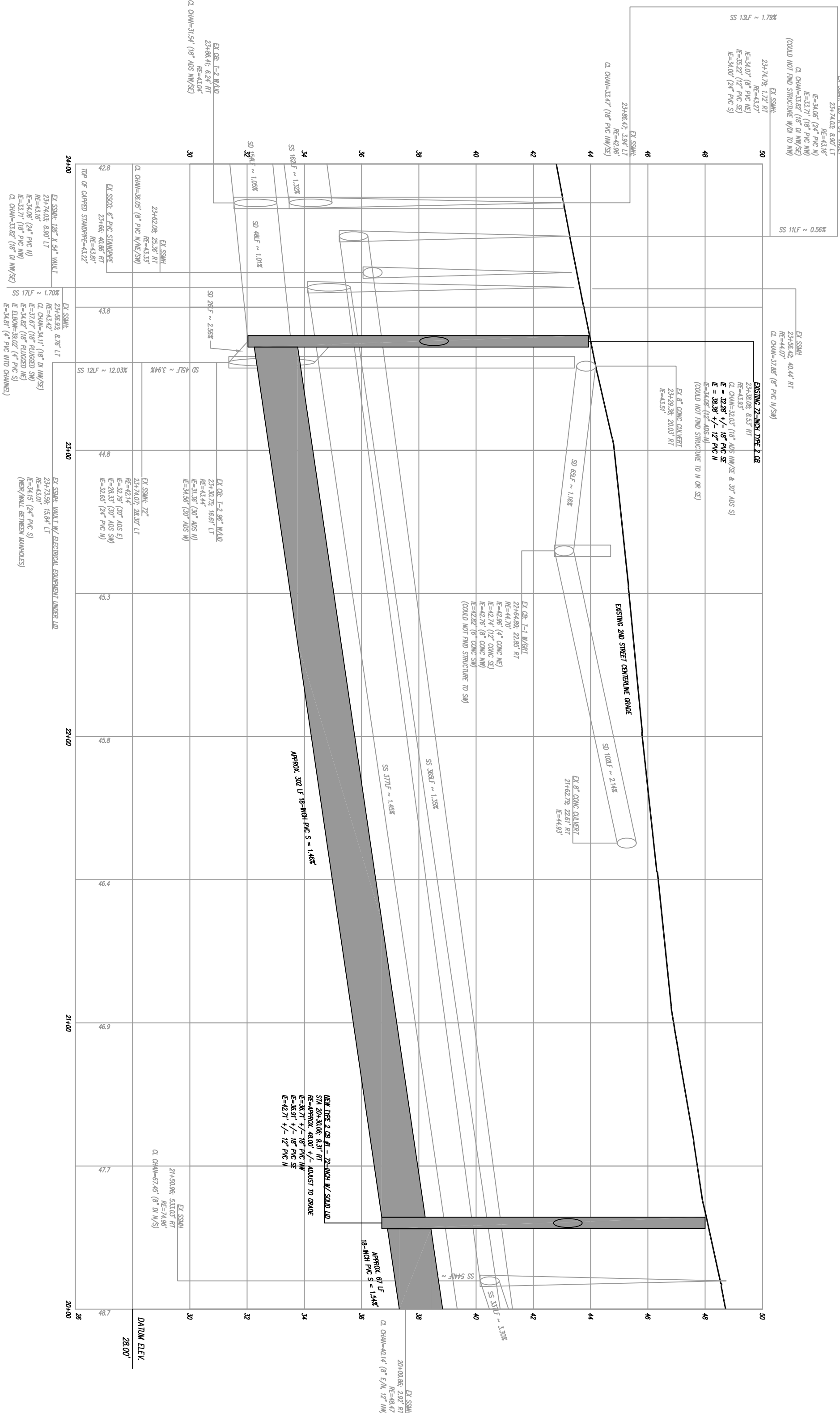
A Portion of the SW 1/4 of the NW 1/4 of Section 13,  
Township 28 North, Range 5 East, W.M.



- GENERAL NOTES
- ALL WORK IN THE RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE CITY OF SNOHOMISH ENGINEERING STANDARDS AND SPECIFICATIONS.
  - EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE CORRECT LOCATIONS PRIOR TO CONSTRUCTION. THIS MAY BE DONE BY CALLING 1-800-424-5555 FOR THE UTILITIES PARTICIPATING IN ONE-CALL AND BY DIRECT CONTACT OF ALL OTHER AFFECTED UTILITY COMPANIES.
  - CONTRACTOR SHALL COORDINATE EXISTING UTILITY RELOCATIONS WITH ALL OTHER UTILITIES INCLUDING TEMPORARY SERVICES AND REMOVAL AND RELOCATION OF ALL EXISTING UTILITIES.
  - CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES IN CONFORMANCE WITH THE 2005 ECOLOGY STORMWATER MANUAL FOR WESTERN WASHINGTON, THE CITY OF SNOHOMISH ENGINEERING STANDARDS, INDUSTRY STANDARD BEST MANAGEMENT PRACTICES AND REQUIREMENTS INCLUDED IN THE PROJECT PLANS AND SPECIFICATIONS.
  - CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR REPAIR AND REPLACEMENT OF ANY SIGNS, UTILITIES OR INFRASTRUCTURE PUBLIC OR PRIVATE DAMAGED OR BROKEN DURING CONSTRUCTION.
  - ALL CONSTRUCTION AND MATERIALS SHALL BE IN COMPLIANCE WITH THE CITY OF SNOHOMISH ENGINEERING STANDARDS AND WSDOT STANDARD SPECIFICATIONS CURRENT EDITION.
  - EXISTING ASPHALT SURFACE SHALL BE VACUUM SWEEP PRIOR TO PAVING. PAVING SURFACE SHALL BE FREE OF ALL VEGETATION, SEDIMENT AND DEBRIS PRIOR TO PAVING.
  - NEW STRUCTURE LOCATIONS MAY BE ADJUSTED IN THE FIELD BY THE ENGINEER.
  - CONTRACTOR IS SOLELY RESPONSIBLE FOR REPAIR OF ANY CONCRETE CURB AND GUTTER, SIDEWALK OR PRIVATE PROPERTY DAMAGED DURING CONSTRUCTION. DAMAGED CONCRETE CURB, GUTTER AND SIDEWALK SHALL BE REPLACED IN-KIND PRIOR TO PAVING.
  - ALL DEPTHS SHOWN ARE COMPACTED DEPTHS.
  - CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF ALL MONUMENTS INCLUDING BUT NOT LIMITED TO RESETTING MONUMENTS DISTURBED DURING CONSTRUCTION.

CONSTRUCTION NOTES

- INSTALL STORM DRAIN INLET PROTECTION PER WSDOT STANDARD PLAN 1-40-20-00. SEE SHEET 2. REMOVE/REINSTALL INSERT AS NEEDED TO COMPLETE WORK.
- ASPHALT SAW CUT.
- INSTALL APPROX. 4-FOOT WIDE, 3-INCH DEEP ASPHALT PATCH.
- CONTRACTOR SHALL SEAL ASPHALT JOINT PER PROJECT SPECIFICATIONS.
- NOT USED THIS SHEET.
- REMOVE AND REPLACE EXISTING CONCRETE CURB AND GUTTER AS NEEDED PER CITY OF SNOHOMISH ENGINEERING STANDARDS AND STANDARD DETAIL #305A. SEE SHEET PROJECT SPECIFICATIONS APPENDIX.
- REMOVE AND DISPOSE OF EXISTING STORM DRAIN PIPE.
- NOT USED THIS SHEET.



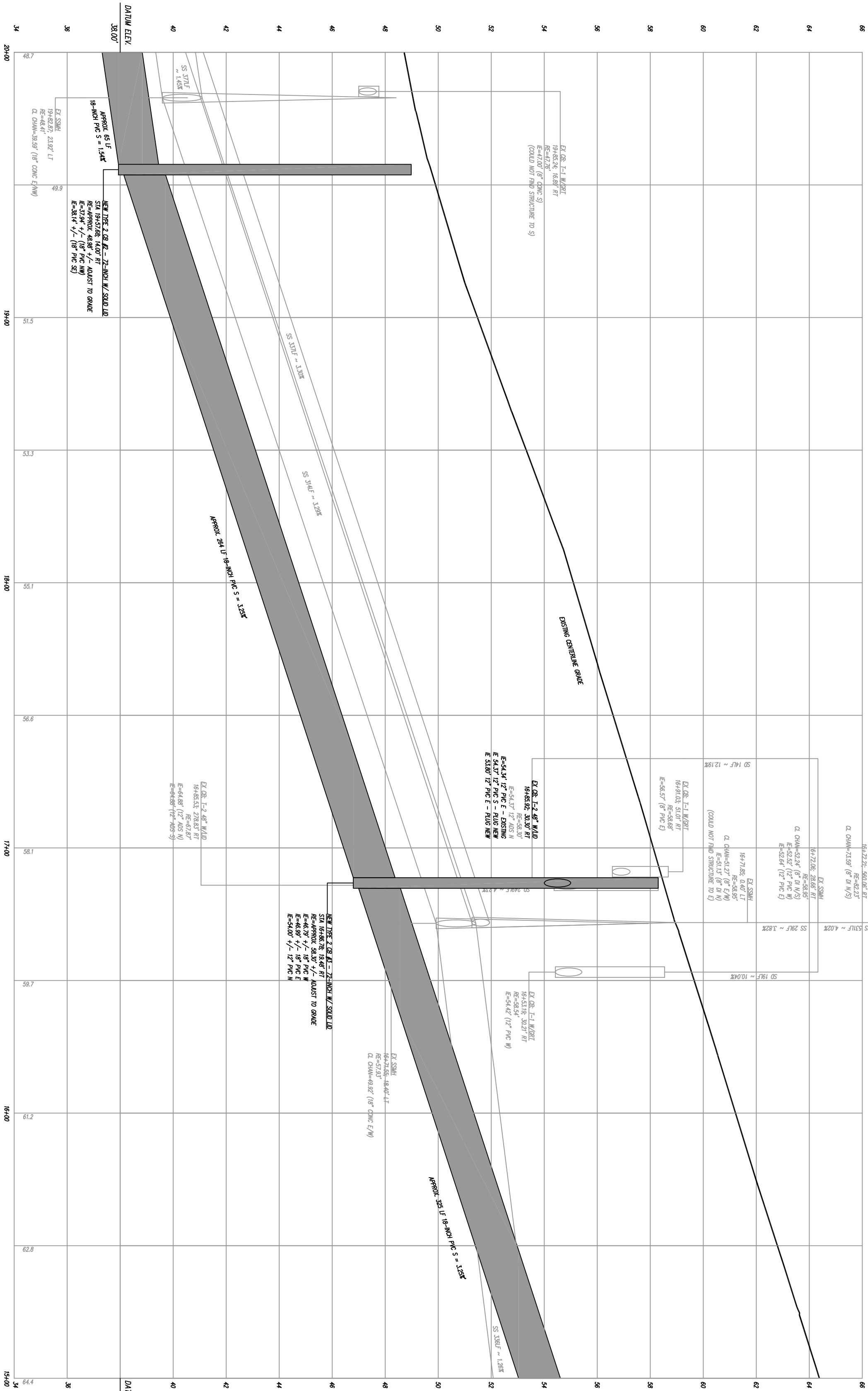
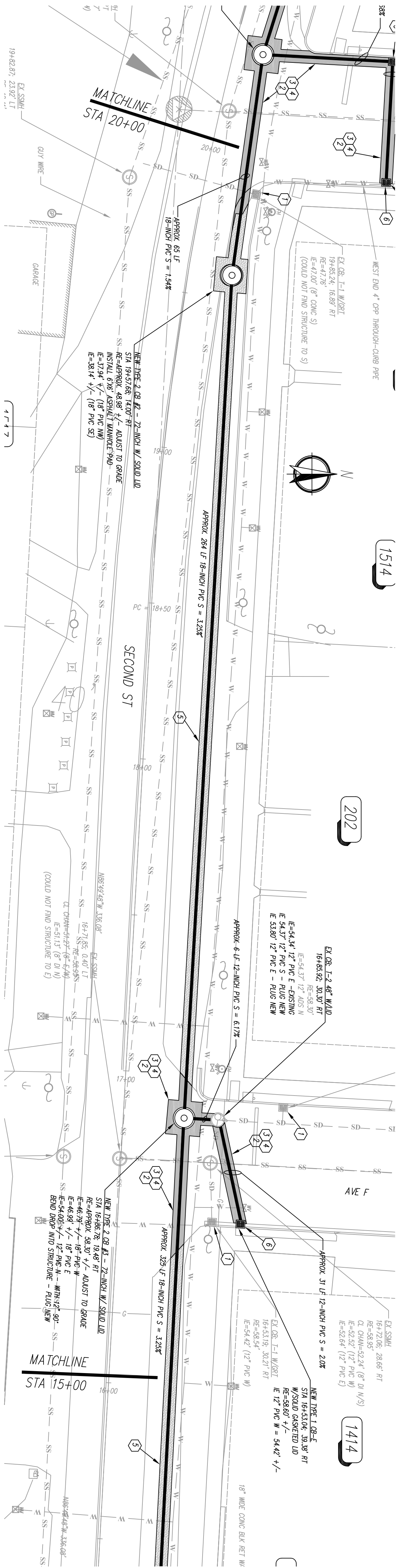
BURIED UTILITIES IN AREA  
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1-800-424-5555

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BEST AVAILABLE INFORMATION AND NO  
GUARANTEE IS MADE AS TO THE EXACT SIZE,  
TYPE, LOCATION OR DEPTH.

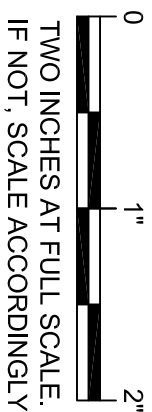
No.	Date	Description	By	App.	<div>City of Snohomish</div> <div>116 Union Avenue</div> <div>Snohomish, WA 98290</div> <div>360-568-3115</div>	<div>Plan View Scale = 1:20</div> <div>Profile Scale</div> <div>H = 1:30</div> <div>V = 1:2</div> <div>Unless Otherwise Noted</div>	Drawn By:	MMS	Date:	May 2014	<div>City of Snohomish</div> <div>2nd Street CSO Separation Project - Phase II</div> <div>Avenue H to Avenue G</div>	Drawing No.	C1
1	05/2014	Planiset	MMS	YM			Designed By:	MMS	Date:	May 2014		Sheet No.	3
							Checked By:	MMS	Date:	May 2014		5 of Total	
							Approved By:	YM	Date:	May 2014			



A Portion of the SW 1/4 of the NW 1/4 of Section 13,  
Township 28 North, Range 5 East, W.M.



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  - RESTORE GRAVEL TRENCH AREA WITH OF 3/8" MINUS CRUSHED ROCK. GRADE TO MATCH EXISTING GRADE.
  - REMOVE AND REPLACE EXISTING CONCRETE CURB AND GUTTER AS NEEDED PER CITY OF SNOHOMISH ENGINEERING STANDARDS AND STANDARD DETAIL #305A. SEE SHEET PROJECT SPECIFICATIONS APPENDIX.
  - NOT USED THIS SHEET.
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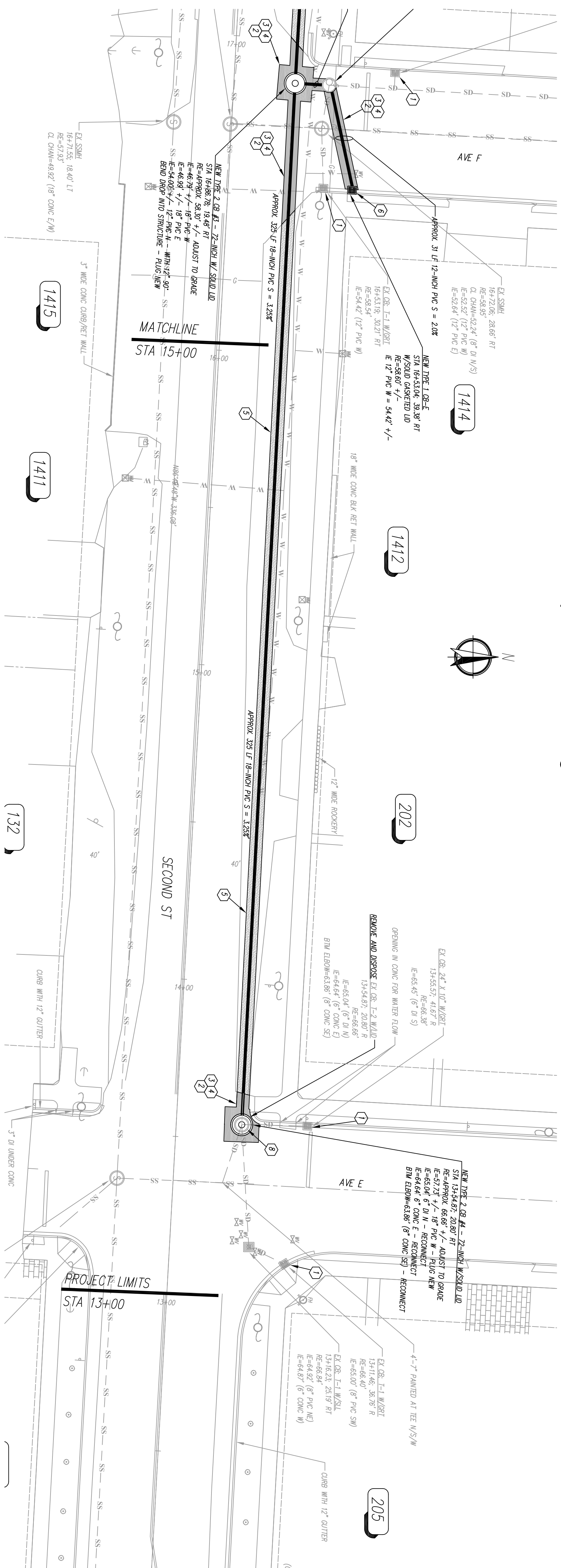


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No.		Date	Description	By	App.	City of Snohomish		Plan View Scale = 1:20 Profile Scale H=1:30 V=1:2 Unless Otherwise Noted		City of Snohomish		Drawing No. C2	
		05/2014	Planset	MMIS	YM								
1						116 Union Avenue Snohomish, WA 98290 360-568-3115				2nd Street CSO Separation Project - Phase II Avenue G to Avenue F		Sheet No. 4	5 of Total

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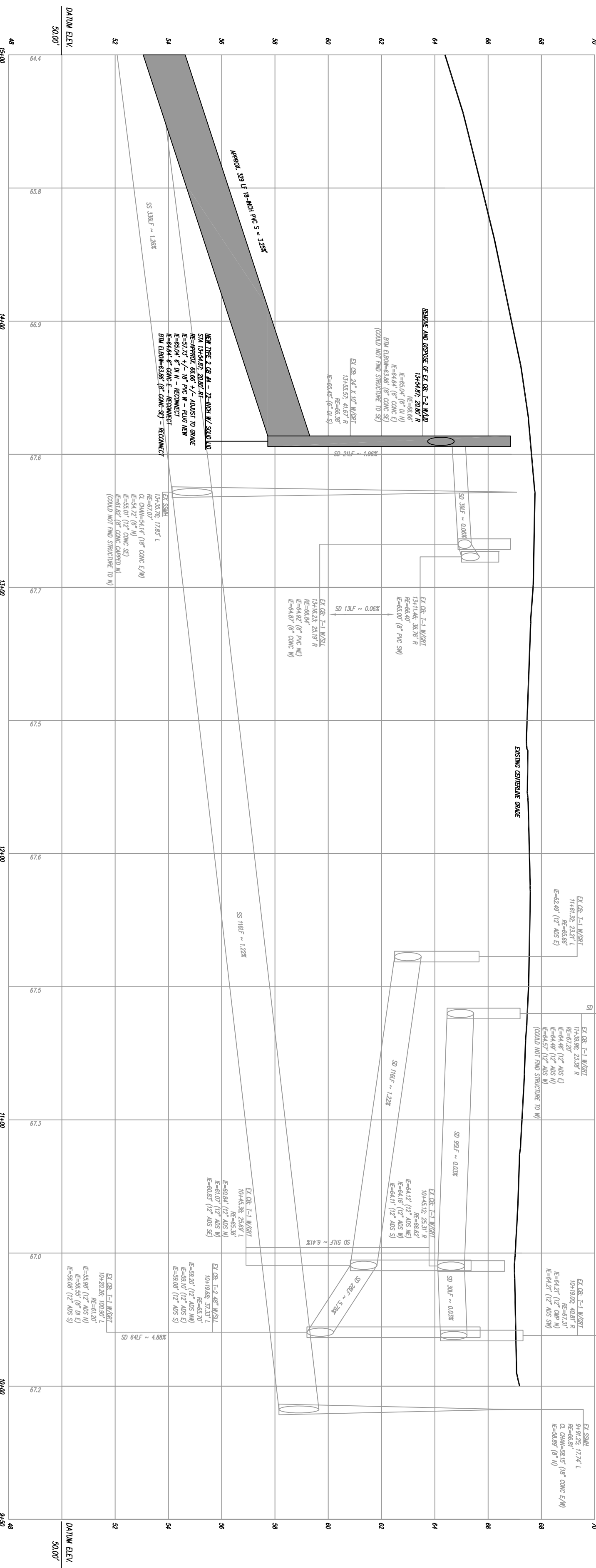


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7. NOT USED THIS SHEET.
8. REMOVE AND DISPOSE OF EXISTING MANHOLE.



BURIED UTILITIES IN AREA  
CALL BEFORE YOU DIG  
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No. 1 05/2014	Description Planset	By MMS	App. YMI	City of Snohomish 116 Union Avenue Snohomish, WA 98290 360-568-3115	Plan View Scale = 1:20 Profile Scale H=1:30 V=1:2 Unless Otherwise Noted	Drawn By: MMS	Date: May 2014	City of Snohomish 2nd Street CSO Separation Project - Phase II Avenue F to Avenue E	Drawing No. <b>C3</b>
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						Approved By: YMI	Date: May 2014		
						Sheet No. <b>5</b> of Total			